

Amendments to the Drawings:

A corrected Fig. 43 is enclosed.

REMARKS/ARGUMENTS

In response to the Examiner's first Office Action of November 18, 2005 the Applicant respectfully submits the accompanying Amendment to the drawings and claims, and the below Remarks directed thereto.

Regarding Amendment

In the Amendment:

Fig. 43 is amended to include the reference sign "500", as is described at page 9, lines 8-11 of the present specification;

independent claim 1 is amended to clarify that the cover portion of the casing is an elongate, metallic cover portion. Support for this amendment can be found at page 11, lines 29-35, page 18, lines 6-30, page 36, lines 25-27 and page 39, lines 15-24 of the present specification;

dependent claim 2 is amended to replace "the electrical connector" with --an electrical connector--, and to clarify that the drive electronics comprises a controller for controlling operation of the printhead integrated circuits. Support for this amendment can be found at page 15, lines 10-15 and page 26, lines 19-28 of the present specification;

dependent claim 3 is amended to clarify that the cover portion shields electromagnetic interference by enclosing the drive electronics and that the cover portion is formed of aluminium. Support for this amendment can be found at page 18, lines 6-30 of the present specification;

dependent claim 6 is amended to clarify that at least two fluid distribution members are provided, each for one of the printhead integrated circuits. Support for this amendment can be found at page 6, lines 28-34 and page 7, line 34-page 8, line 15 of the present specification; and

dependent claims 4 and 5 are unchanged.

It is respectfully submitted that the above amendments do not add new matter to the present application.

Regarding Drawing Objections

It is respectfully submitted that the above-described amendment to Fig. 43 to insert the reference sign "500", provides the correction required by the Examiner.

Regarding Claim Objections

Regarding "fluid distribution member"

It is respectfully submitted that the above-described amendment to claim 6 to clarify that at least two fluid distribution members are provided, each for one of the printhead integrated circuits, provides the correction required by the Examiner, as this clarifies that the claimed fluid distribution members refer to the disclosed fluid distribution stacks 500 (see page 6, lines 28-34 and page 7, line 34-page 8, line 15 of the present specification).

Regarding "the electrical connector"

It is respectfully submitted that the above-described amendment to claim 2 to replace "the electrical connector" with --an electrical connector--, provides sufficient antecedent basis for this term in the claim.

Regarding "the fluid distribution members"

It is respectfully submitted that the above-described amendment to claim 6 to clarify that at least two fluid distribution members are provided at line 3 of claim 6, provides sufficient antecedent basis for this term later in the claim.

Regarding 35 USC 102(b) Rejections

It is respectfully submitted that the subject matter of amended independent claim 1, and claims 2, 3 and 6 dependent therefrom, is not disclosed by Silverbrook et al. (WO 2001/042026), for at least the following reasons.

In the present invention, the cover portion 23 of the casing 20 is profiled with cavity portion 23c so as to enclose the drive electronics 100, thereby shielding the electronics (which include control circuitry for the printhead integrated circuits 51) and the printhead integrated circuits 51 from EMI. In order to provide an effective shield which is easily manufactured, the cover portion is formed as an elongate molding from metal, such as aluminium (see page 11, lines 29-35, page 18, lines 6-30, page 36, lines 25-27 and page 39, lines 15-24 of the present specification).

On the other hand, the cover moldings 28 of the printhead modules 12 disclosed by Silverbrook used by the Examiner as the claimed cover portion, is formed as a two shot

injection molding of hard plastic and synthetic rubber. Further, an individual cover molding is provided for each printhead module, where each module only has a single printhead chip 18 (see page 3, lines 15-26 and page 7, lines 3-8 of Silverbrook). Thus, the cover molding of Silverbrook is neither elongate nor metallic as is required by amended independent claim 1.

Furthermore, the disclosure of Silverbrook does not provide any motivation for one of ordinary skill in the art to modify the configuration of the disclosed cover moldings, because if the cover moldings were metallic the electrical connections between the TAB films 22 of the modules and the flex PCB 54 of the reservoir molding 32 would be shorted out (see page 6, lines 4-11 of Silverbrook).

Thus, the subject matter of amended independent claim 1, and claims 2-6 dependent therefrom, is not disclosed or suggested by Silverbrook.

Regarding 35 USC 103(a) Rejections

It is respectfully submitted that the subject matter of dependent claims 4 and 5 is not taught or suggested by Silverbrook in view of Wakabayashi et al. (US 5,615,085), for at least the following reasons.

Wakabayashi merely discloses a temperature control arrangement for a microprocessor (see abstract of Wakabayashi). There is no disclosure in Wakabayashi that would motivate one of ordinary skill in the art to provide the claimed elongate, metallic cover portion in the printhead assembly of Silverbrook.

Thus, the subject matter of amended independent claim 1, and claims 2-6 dependent therefrom, is not disclosed or suggested by Silverbrook either taken alone or in combination with Wakabayashi.

It is respectfully submitted that all of the Examiner's objections and rejections have been traversed. Accordingly, it is submitted that the present application is in condition for allowance and reconsideration of the present application is respectfully requested.

Very respectfully,

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